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AMENDMENTS TO THE SPECIFICATION

In the Specification:

Please replace the paragraph beginning on page 10, line 13 with the following rewritten paragraph:

-- In operation, I signal or Q signal $x(t)$ may be split into two signals $x_r(t)$ and $x_j(t)$ wherein $x_r(t)$ is the real part of $x(t)$ and $x_j(t)$ is the imaginary part of $x(t)$. $x_r(t)$ may be inputted to multipliers 405 and 410. $x_j(t)$ may be inputted to multipliers 415 and 420. A time phase of inversed impulse response $h(t)$ may be split to two signals $h_r(t)$ and $h_j(t)$, wherein $h_r(t)$ is the real part of the impulse response $h(t)$ and $h_j(t)$ is the imaginary part of $h(t)$. $h_r(t)$ may be inputted to multipliers 405 and 420 and $h_j(t)$ may be inputted to multipliers 410 and 415. Outputs of multipliers 405 and ~~[[410]]~~ 415 may be inputted to adder 425 and outputs of multipliers 410 and 420 may be inputted to adder 430. Adder 425 may generate a real multiplication product $M_r(\omega)$ and adder 430 may generate an imaginary multiplication product $M_j(\omega)$. Thus, the frequency domain representation of the complex terms of the multiplication signals may be

$$M_r(\omega) = X_r(\omega) \otimes H_r(\omega) - X_j(\omega) \otimes H_j(\omega)$$

$$M_j(\omega) = X_r(\omega) \otimes H_j(\omega) + X_j(\omega) \otimes H_r(\omega). --$$